

The `prelim2e` package*

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Abstract

This package allows the marking of (preliminary) versions of a document on the output.

Contents

1	Introduction	1			
			6.2.1	draft option . .	3
2	Usage	2		6.2.2 Language op-	
				tions	3
3	Options	2		6.2.3 Time options .	4
				6.2.4 Other options .	4
4	Required packages	3	6.3	Executing options . .	4
			6.4	Loading packages . . .	4
5	Putting more things at the bottom	3	6.5	Producing the text . .	4
			6.6	Putting the text be-	
6	The implementation	3		low the page	5
	6.1 Initial Code	3	6.7	Tieing <code>prelim2e</code> into	
	6.2 Declaration of options	3		the system	6
			7	Acknowledgements	6

1 Introduction

This package allows the marking of (preliminary) versions of a document. This is done using the command `\PrelimText`, whose expansion is added *below the footer* of every page of a document (look at the bottom of this page for an example).

*The version number of this file is v1.23, last revised 2001/02/17.

2 Usage

Simply using this package via `\usepackage{prelim2e}` produces a text in the form of “Preliminary version – February 17, 2001”.

`\PrelimText` The text is produced by the commands `\PrelimText` and `\PrelimWords`,
`\PrelimWords` which can be changed via `\renewcommand` or by using options at the `\usepackage` command (see section 3).

The footer for this documentation was produced by changing `\PrelimWords` to

```
\renewcommand{\PrelimWords}{%
  \textsf{prelim2e} package --
  Version \fileversion{} --
  Documentation \LaTeX{}ed%
}
```

3 Options

The package has the following options:

New feature
2001/02/17

danish This sets the text to “Foreløbig version”. It does not use the `babel` package.

draft If this option is used a text appears below the normal pagebody. It is the default.

final If this option is used `prelim2e` produces no text.

english This sets the text to “Preliminary version”. It is the default.

New feature
1997/05/12

french This sets the text to “Version préliminaire”. It does not use the `french` or `babel` package.

german This sets the text to “Vorläufige Version”. It does not use the `german` or `babel` package.

New feature
2001/02/17

italian This sets the text to “Versione preliminare”. It does not use the `babel` package.

New description
1997/05/12

time This adds the time at the beginning of the current `LATEX` to the text. The time is produced using the `\thistime` command, which may be provided by the `scrttime` package[2]. If you don’t use the `scrttime` package (e.g. by specifying the `scrttime` option), you must provide it yourself or by some other package.

New feature
1997/05/12

scrttime This loads the `scrttime` package[2] (part of the KOMA-Script bundle), which provides the `\thistime` command used by the `time` option. The `scrttime` option implies the `time` option.

All other options are passed to the `scrttime` package if the `scrttime` option is selected.

4 Required packages

The package requires the following packages:

`everyshi`[3] It is used to implement the setting of the text below the normal pagebody.

`scrtime`[2] It is used to typeset the current time and is needed if the `scrtime` option is selected.

New description
1997/05/12

5 Putting more things at the bottom

Another package you might like to use with `prelim2e` is `vrson`[4]. This allows the definition and maintenance of a version number like 3.14159 *within* \LaTeX , which can be put at the bottom of every page using `prelim2e`.

6 The implementation

```
1 (*package)
```

6.1 Initial Code

```
\if@prelim@draft \if@prelim@draft is used to flag the use of the draft or final option.
2 \newif\if@prelim@draft

\if@prelim@time \if@prelim@time is used to flag the use of the time option.
3 \newif\if@prelim@time

\if@prelim@scrtime \if@prelim@scrtime is used to flag the use of the scrtime option.
4 \newif\if@prelim@scrtime

\PrelimWords \PrelimWords holds the language-dependend text used in \PrelimText
5 \newcommand{\PrelimWords}{}%
```

6.2 Declaration of options

6.2.1 draft option

The `draft` and `final` option control the behavior of `prelim2e`: Only if `final` is used in `\documentclass` or `\usepackage{prelim2e}` text is produced.

```
6 \DeclareOption{draft}{\@prelim@drafttrue}
7 \DeclareOption{final}{\@prelim@draftfalse}
```

6.2.2 Language options

`danish`, `english`, `french`, `german` and `italian` control the content of `\PrelimWords`.

```
8 \DeclareOption{danish}{%
9   \renewcommand{\PrelimWords}{Forel\o{}big version}}
10 \DeclareOption{english}{%
11   \renewcommand{\PrelimWords}{Preliminary version}}
12 \DeclareOption{french}{%
```

```

13 \renewcommand{\PrelimWords}{Version pr\'eliminaire}}
14 \DeclareOption{german}{%
15 \renewcommand{\PrelimWords}{Vorl\'aufige Version}}
16 \DeclareOption{italian}{%
17 \renewcommand{\PrelimWords}{Versione preliminare}}

```

6.2.3 Time options

`time` controls the output of the current time at `\PrelimWords`.

```
18 \DeclareOption{time}{\@prelim@timetrue}
```

`scrttime` controls the loading of the `scrttime` package. It implies `time`.

```
19 \DeclareOption{scrttime}{\@prelim@scrtimetrue\@prelim@timetrue}
```

6.2.4 Other options

All unused options are passed to the `scrttime` package if the `scrttime` option is selected.

```

20 \DeclareOption*{%
21 \if@prelim@scrttime
22 \PassOptionsToPackage{\CurrentOption}{scrttime}%
23 \fi
24 }

```

6.3 Executing options

The default options are `draft` and `english`.

```

25 \ExecuteOptions{draft,english}
26 \ProcessOptions\relax

```

6.4 Loading packages

We need the `everyshi` package—and `scrttime`, if the `scrttime` option is specified.

```

27 \RequirePackage{everyshi}[1995/01/25]
28 \if@prelim@scrttime
29 \RequirePackage{scrttime}
30 \fi

```

6.5 Producing the text

`\PrelimText` `\PrelimText` produces the text which is put below the page. It can be changed via `\renewcommand`. The style of the text is controlled by `\PrelimTextStyle`. We first have to reset the style and size, otherwise the settings in effect at the point of text where `\ouput` is called would be used.

```

31 \newcommand{\PrelimText}{%
32 \textnormal{%
33 \footnotesize%
34 \PrelimTextStyle%
35 \PrelimWords{} -- \today
36 \if@prelim@time
37 \ -- \thistime

```

```

38      \fi
39    }%
40  }

```

`\PrelimTextStyle` `\PrelimTextStyle` controls the style of the text produced by `\PrelimText`. Its default is empty.

```

41 \newcommand{\PrelimTextStyle}{}

```

6.6 Putting the text below the page

We put the text below the page via `\EveryShipout` provided by the `everyshi` package. This is done by `\@Prelim@EveryShipout`.

`\@Prelim@EveryShipout` `\@Prelim@EveryShipout` puts the text produced by `\PrelimText` below the page. To do this we modify `\box255`: We append a `\vbox` with height and depth of 0pt and the width of `\box255` which contains a `\hbox` with the width of `\box255` in which `\PrelimText` is centered.

```

42 \newcommand{\@Prelim@EveryShipout}{
43   \bgroup

```

First we save the dimensions of `\box255`: height, width and depth; and calculate the total height of `\box255`.

```

44     \dimen\z@=\wd\@cclv
45     \dimen\@ne=\ht\@cclv
46     \dimen\tw@=\dp\@cclv
47     \dimen\thr@=\dimen1
48     \advance\dimen\thr@@ by \dimen\tw@

```

Then we set `\box255`: A `\vbox` to the total height of `\box255`. In this a `\hbox` to the width of `\box255` is included, in which `\box255` is set.

```

49     \global\setbox\@cclv\vbox to \dimen\thr@@{
50       \hb@xt@\dimen\z@{
51         \box\@cclv%
52         \hss%
53       }%

```

To this we append the text produced by `\PrelimText`. It is put in a `\vbox` to 0pt in which a `\hbox` to the width of `\box255` is included, in which `\PrelimText` is set. We have to reset `\protect` because it is set to `\noexpand` by the output routine.

```

54       \vbox to \z@{
55         \hb@xt@\dimen\z@{
56           \let\protect\relax
57           \hfill\PrelimText\hfill%
58         }%
59       \vss%
60     }%
61   \vss%
62 }%

```

Finally we set the dimensions of `\box255` to the values they had before `\@Prelim@EveryShipout`.

```

63     \wd\@cclv=\dimen\z@
64     \ht\@cclv=\dimen\@ne

```

```

65      \dp\@cc1v=\dimen\tw@
66      \egroup
67    }

```

6.7 Tying `prelim2e` into the system

`\@Prelim@EveryShipout` is tied into the system via `\EveryShipout`. But only if the `draft` option is used.

```

68 \if@prelim@draft
69   \EveryShipout{\@Prelim@EveryShipout}
70 \fi
71 \</package>

```

7 Acknowledgements

The idea of this package is based on `prelim.sty`[1] for L^AT_EX 2.09 by Robert Tolksdorf (`tolk@cs.tu-berlin.de`). It provides nearly the same functionality as `prelim2e`, but in a very dirty way: it uses a modified output routine and does not work with L^AT_EX 2_ε.

The time functionality now uses the `scrtime` package by Markus Kohm (`markus.kohm@gmx.de`).

Rowland Bartlett (`R.BARTLETT@liverpool-john-moores.ac.uk`) brought forth the idea of separating the `time` option and the `scrtime` package; Daniel Courjon (`dcourjon@utinam.univ-fcomte.fr`) provided the text for the `french` option, Arne Jørgensen (`arne.jorgensen@tug.dk`) provided the text for the `danish` option, and Davide Giovanni Maria Salvetti (`salve@debian.org`) and Riccardo Murri (`murri@phc.unipi.it`) both provided the text for the `italian` option,

As usual Rebecca Stiels improved the quality of this documentation.

References

- [1] Mats Dahlgren. `vrson` – a L^AT_EX Macro for version Numbering of Files. CTAN:`tex-archive/macros/latex/contrib/supported/vrson/vrson.dtx`. L^AT_EX 2_ε package.
- [2] Markus Kohm. The KOMA-timedate-bundle. CTAN:`tex-archive/macros/latex/contrib/supported/koma-script/scrtime.dtx`. L^AT_EX 2_ε package.
- [3] Martin Schröder. The `everyshi` package. CTAN:`tex-archive/macros/latex/contrib/supported/ms/everyshi.dtx`. L^AT_EX 2_ε package.
- [4] Robert Tolksdorf. Kennzeichnung von Vorversionen eines Dokuments. CTAN:`tex-archive/macros/latex209/contrib/prelim/`. L^AT_EX 2.09 package.

Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols		I	
\"	15	\if@prelim@draft	2, 68
\'	13	\if@prelim@scrttime	4, 21, 28
\@Prelim@EveryShipout	42, 69	\if@prelim@time	3, 36
\@cclv	44–46, 49, 51, 63–65	L	
\@ne	45, 64	\let	56
\@prelim@draftfalse	7	N	
\@prelim@drafttrue	6	\newcommand	5, 31, 41, 42
\@prelim@scrtimetrue	19	\newif	2–4
\@prelim@timetrue	18, 19	O	
		\o	9
		P	
		\PassOptionsToPackage	22
		\PrelimText	2, 31, 57
		\PrelimTextStyle	34, 41
		\PrelimWords	2, 5, 9, 11, 13, 15, 17, 35
		\ProcessOptions	26
		\protect	56
		R	
		\relax	26, 56
		\renewcommand	9, 11, 13, 15, 17
		\RequirePackage	27, 29
		S	
		\setbox	49
		T	
		\textnormal	32
		\thistime	37
		\thr@@	47–49
		\today	35
		\tw@	46, 48, 65
		V	
		\vbox	49, 54
		\vss	59, 61
		W	
		\wd	44, 63
		Z	
		\z@	44, 50, 54, 55, 63
A			
\advance	48		
B			
\bgroup	43		
\box	51		
C			
\CurrentOption	22		
D			
\DeclareOption	6–8, 10, 12, 14, 16, 18–20		
\dimen	44–50, 55, 63–65		
\dp	46, 65		
E			
\egroup	66		
\EveryShipout	69		
\ExecuteOptions	25		
F			
\fi	23, 30, 38, 70		
\footnotesize	33		
G			
\global	49		
H			
\hb@xt@	50, 55		
\hfill	57		
\hss	52		
\ht	45, 64		

Change History

v1.00		stead of <code>\PrintTime</code> 4
General: New 1	v1.20	
v1.01	General: french option added . . . 2, 3	
General: Date added to	scrtime option added 2, 4	
<code>\NeedsTeXFormat</code> 1	check <code>\if@prelim@scrtime</code> . . 4	
v1.10	<code>\if@prelim@scrtime</code> : new 3	
<code>\@Prelim@EveryShipout</code> : <code>\hbox</code>	v1.21	
to \rightarrow <code>\hb@xt@</code> 5	General: Documentation im-	
General: <code>\DeclareOption*</code>	proved 1	
added 4	v1.22	
scrtime instead of <code>printtim</code> . . . 3	General: Moved to LPPL 1	
time option added 2, 4	v1.23	
<code>\if@prelim@time</code> : new 3	General: danish option added . . . 2, 3	
<code>\PrelimText</code> : <code>\thistime</code> in-	italian option added 2, 3	